

Claims

- [1] An elastic crawler comprising:
a crawler body formed with an elastic material in the shape of an endless track,
and having lugs protruded at the ground contact side thereof;
cores having wings extended left and right to the center of the crawler body in
the width direction thereof, the cores being arranged parallel to each other in the
longitudinal track direction of the crawler body such that the wings face the lugs
formed at the crawler body;
first lug units each with first right lugs facing each other over two wings and
arranged right to the center of the crawler body in the width direction thereof,
and first left lugs arranged left to the center while proceeding symmetrical to the
first right lugs around the center; and
second lug units each with second right lugs facing each other over one wing and
arranged right to the center of the crawler body in the width direction thereof,
and second left lugs arranged left to the center while proceeding symmetrical to
the second right lugs around the center;
wherein the first and the second lug units are alternately arranged parallel to each
other in the longitudinal track direction of the crawler body.
- [2] The elastic crawler of claim 1 wherein the longitudinal track length of the ground
contact surface formed at the first right lug of the first lug unit is established to
be the same as the longitudinal track length of the ground contact surface formed
at the second right lug of the second lug unit, and the longitudinal track length of
the ground contact surface formed at the first left lug of the first lug unit is es-
tablished to be the same as the longitudinal track length of the ground contact
surface formed at the second left lug of the second lug unit.
- [3] The elastic crawler of claim 1 or 2 wherein the first and the second left lugs have
first extensions extended in the longitudinal track direction, and the first and the
second right lugs have second extensions extended in the longitudinal track
direction as like with the first extensions.
- [4] The elastic crawler of claim 3 wherein the plan-viewed length of the sidewall
formed at the periphery of the first and the second right lugs and the first and the
second left lugs while being sided with first and the second extensions is es-
tablished to be smaller than the plan-viewed length of the sidewall placed
opposite to the first and the second extensions.

- [5] An elastic crawler comprising:
a crawler body formed with an elastic material in the shape of an endless track,
and having lugs protruded at the ground contact side thereof;
cores having wings extended left and right to the center of the crawler body in
the width direction thereof, and arranged parallel to each other in the longitudinal
track direction of the crawler body such that the wings face the lugs formed at
the crawler body; and
lug units each with first lugs facing each other over two wings and arranged one-
sidedly with respect to the center of the crawler body in the width direction
thereof, and second lugs facing each other facing each other in the longitudinal
track direction of the crawler body;
wherein the lug units are positioned left and right to the center of the crawler
body in the width direction thereof, and arranged parallel to each other in the
longitudinal track direction of the crawler body;
wherein the first and the second lugs have extensions extended in the lon-
gitudinal tract direction, and the extensions of the first and the second lugs facing
each other in the width direction of the crawler body are partially overlapped
with each other in the longitudinal track direction of the crawler body.
- [6] The elastic crawler of claim 5 wherein the longitudinal track length of the ground
contact surface formed at the first lug is established to be the same as the lon-
gitudinal track length of the ground contact surface formed at the second lug.
- [7] The elastic crawler of claim 5 or 6 wherein the first lugs or the second lugs
positioned right to the center of the crawler body in the width direction thereof,
and the first lugs or the second lugs positioned left to the center of the crawler
body in the width direction thereof are arranged at the left and the right sides of
the crawler body, respectively.